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ADVANCES IN STUDY OF INFECTIOUS DISEASES
IN THE USSR SINCE 1917

Maj Gen Prof N.I. Pagoza, SAMC

1. Tularaemia

First outbreak described by Anishchenko, on the banks of the Ob River in 1921. Suvorov, Volferts, and Voronkova described an outbreak in the Volga delta in 1926. Later work was:

a. Morbid Anatomy and Pathogenesis

Dvishkov	Pozharisskiy
Kartasheva	Elbert
Kagramanov	Gaikiy
Molotkov	

b. Air-borne Infections, and Abortive and Chronic Forms

Stradomskiy	Rudnev	Okonevskiy
L. M. Khatanever	Berinskaya	Rappoport
Sinai	Itskovich	Drobinskiy
Volferts		Mitskevich

c. X-ray Study of Respiratory Form

Prozorov

d. Diagnosis

(1) Skin Tests, in 1931/35

Rappoport and Bychkov
Levchenko and Ostrovskaya
Fefikova and Poluektov
Bakayeva and Bocharova

L. M. Khatanever
Volferts
Yershov
Gordina

Kavanoki
Morozkin
Zeitlenok

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(2) Agglutination Tests

Tikhomirova
Timofeyeva
Kistren
Berinskaya

Khatanever
Tsvetkova
Raskind

Burgasov
Podobaah
Afanasyev

c. Treatment

(1) Serum Therapy

Volferts and Gorokhov
Grzhebina
Popov

Mikhaylova and Ishutin
Denisenko

(2) Vaccino-therapy

L. M. Khatanever and Tsvetkova (1942)

Bilibin

(3) Streptomycin Therapy

Work begun in 1947.

2. Rickettsial Diseasesa. Marseilles Spotted Fever

First outbreak noted on the Black Sea littoral in 1939/41. The following workers published papers on the clinical aspects of the disease:

Alymov
Andreyev

Zhitomirskiy
Rozhanskiy

Levi
Popov (in Azerbaydzhan)

b. Tick Typhus

Three expeditions in 1939/41 studied this form in Central Siberia and Khabarovsk Krai, under Krontovskaya.

(1) Pathogenesis and Morbid Anatomy

Studied by histopathological methods by DAVIDOVSKIY

(2) Clinical and Diagnostic Aspects

Shmatikov
Velik
Savulkin
Sergeyev
Faynshteyn

Yaropolukhaya
Solodova
Yelcshikh
Zaynulin
Tsygankov

Vashchakina
Dubinin
Rotenburg
Fridman
D.F. Pletsyitiy

(3) Rat-transmitted Typhus

Described by Babalova, on the Caucasian Black Sea Coast

3. Leptospirosisa. Intero-hemorrhagic Leptospirosis

(1) Diagnosis and Etiology

Chapkevich
Bazilevskiy

Elbert
Ratsevich

Tokarevich
Sevastyanova

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(2) Morbid Anatomy

Dal

(3) Clinic, Hematology, and Biochemistry

Chapkevich
Tushinskiy
VolkovaFigurina
Rubanova
SergeyevPatsevich
Myasnikov
Smagin

(4) Treatment

Serotherapy - Tokarevich
Penicillin - Filatov

b. Water Fever (Aquatic Fever, Ikhhoradka Vodnaya)

(1) Epidemiology

Bashenin
Kushelovskiy
LeonovichNovokhatniy
Terakikh
GalitskayaGukhsan
SemenenkoBril
Ivanchenko

(2) Pathogenesis

Tarasov: discovered the pathogen (*Leptospira grippo-typhosa*,
L. febris aquatilis, L. type I).

(3) Clinic and Diagnosis

Kushelovskiy
LeonovichTerakikh
Galitskaya
ChurilovKheifets
Novokhatniy

(4) Hematology

Muratova

Yablokov

(5) Leptospirosal Meningitis

Terakikh
SaimovaNartsissov
Bochkarev

(6) Serum Therapy

Terakikh

Galitskaya

Leonovich

c. Endemic Hepatitis

(1) Clinic (early work, 1920/30)

Vesternik
LifshitsPerets
Lenskaya
ShvagerKastanayan
Shabalin

(2) Morbid Anatomy (1920/30)

Shamudak

Mironov

Tizengauzen

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(3) Hematology, Biochemistry, Diagnosis, Treatment

Glukhov	Chernomordik	Trofimovskiy	Ragoza
Anosov	Tareyev	Tsimmerman	Faleyev
Rappoport	Gontayeva	Bernat	Gelahtsin
Sergeyev	Lifshits	Kalacheva	Viskovkiy
Iharitonov	Savinakiy	Myasnikov	Zhdanov
Beyrer	Yasinovskiy	Rubanov	Ginsburg
Kemtsevitckaya	Lavrukhovich	Pines	Mitusov
	Kubin		

4. Infective Nephrose-nephritis

First described by A.A. Smorodintsev in the Soviet Far East.

a. Morbid Anatomy

Leybin Chudakov

b. Clinic

Churilov	Reznikov	Biryukov
Ayzenshteyn	Kazbintsev	Tsygankov
	Rotenburg	

c. Neuropathology

Shapoval Sergeyeva Timofeyev

d. Hematology and Urology

Dunayevsky

5. Crimean Hemorrhagic Fever

First described in 1945(?) by Korshikova, and then studied by M. P. Chumakov and his team.

a. Morbid Anatomy

Litmanenko Robinson

b. Clinic

Drobinoky Kolachev Sufik

c. Neuropathology

Shutova

d. ~~Circulatory~~ Circulatory Changes

Rayeva

e. Hematology and Urology

Kartasheva Drobinoky

f. Nonhemorrhagic Forms, and Early Diagnosis

Rudoy Ktsoyan

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6. Eranthematic Typhus

Early work on histopathology was done in the twenties, by

Krinititskiy	Bykova	Shuanikov
Posharitskiy	Anichkov	Davydovskiy
P'yett	Abrikosov	Tsinzerling

Mogilnitsky and his school were responsible for later work.

a. Clinic

Rozenburg (1920)	Shatilov	Flerov	Stefanskiy
Georgievskiy	Mertsinovskiy	Gubergrita	Sigal
Braude	Tushinskiy	Rozenyer	Kanovskaya
Raynerman	Shubert	Padalko	Matveyev
	Viskovskiy	Ragoza	

b. Typhus of Children

Khalyutina	Koltypin	Grinberg
	E. A. Pivovarova	Konstantinov

c. Recurrent Attacks

Moroznik	Iatsinik	Spivak
Budovskaya	Zasosova	Sigal
	Mikhaylova	

d. Atypical and Nonexanthematic Forms

Bukshpan	Viskovskiy	Rudnitskiy	Kuznetsov
	Zelenskiy		

e. Typhus in Vaccinated Individuals

(1) Weigl Vaccine

Tokarevich	Bart	Epshteyn
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(2) Durand-Krontovskaya Vaccine

Bilibin	Patrik	Bezdeneshniy	Vainberg
Avdeyev	Ragoza	Kadyrova	Samokhin
Tajarshteyn	Shukhin	Borovt	Katsenovich
Gulyamova	Zaukov-Berezshnikov		Kir'yenko

f. Hematology

Tushinskiy	Skorodumov	Krauklis	Kalyayeva
Epshteyn	Znamenskiy	Libov	Nesterov
Tsareva	Shulman	Goryayev	Danaker
	Savvatinskaya		

g. Bone Marrow in Typhus

Tushinskiy	Kotlyarenko	Kobets-Aimazova
Chirkin	Tsareva	Krauklis

h. Weil-Felix Reaction

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(1) Diagnostic Aspects

Yermakova	Smorodintsev	Golovina	Knyazhansky
Klyachko	Romanenko	Fisher	Freifeld
Grigorovich	Shnitman	Tcharevich	Bart
	Krestovnikov		

(2) Selection of Highly Agglutinating Strains of X-19

Kuntzman	Shnitman	Dyachenko	Okuneva
Frolova	Grenaus	Itter	Laskin
Zakharova	Orlov	Fedorov	

(3) Accelerated Reaction

Minkevich	Ryzhov	Karaseva	Maiofis
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(4) Modified Reactions

Vaysleib - Nobel-Berman and Rabinovich modification
 Mesik and Gremaus
 Guseva and Berrin

(5) Application of Castaneda's X-factor

Dosser	Manina	Voronina	Markovich
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(6) Stimulation of Agglutinin Formation by Milk Injections

Rubinshteyn	Sakharov	Yakovlev
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1. Complement-fixation Test

Bozental and Goldberg	Drobyshevskaya
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7. Recurrent Typhus (Volhynian Fever)

Formerly prevalent in the USSR, but now rarely encountered.

a. Early Work on Pathogenesis and Immunology

Mochutkovskiy	Mechnikov	Gabricheskiy
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b. More Recent Work

Brusin	Aristovskiy	Shekhter	Yakimov
Blagoveshchenskiy	Geltser	Vaynshteyn	Tets
	Moskvin		

The work of these scientists showed that each recurrence was due to multiplication of a generation of treponemata resistant to the antibodies formed against their predecessors.

c. Biliary Typhoid Complicating Volhynian Fever

(1) Morbid Anatomy

Kulesha	Ivashentsev	Rappoport
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Identified *Salmonella paratyphi C*, *orientalis*, and *moscoviensis* in bile.

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(2) Clinic

Braun	Lavrinovich	Ivashentsev
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(3) Treatment

Linberg	Belyantsev	Kruglov
Boryu	Ilyin	Yeliseyev

d. Treatment of Volhynian Fever

(1) Salvarsan

Presolov	Remezov	Saiznov
Levin	Vogralik	Sokolov

(2) Salvarsan-Glucose-Insulin

Tushinskiy	Levin	Rozenberg
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(3) Penicillin

Yermol'yeva	Rozenyer	Barinskiy
Hankina	Aristovskiy	Figurina

8. Typhoid Fever

a. Clinic

Vogralik	Mosnelova	Ivashentsev	Glekler
Rozenberg	N.I. Ragoza	Katsenovich	Gordon
Kukryakov	Sutin	Albova	Bernat
Fedorov	Ushova	Flerov	Chistovich
	Kobets-Almazova		

b. Atypical Forms

(1) Typhoid in Immunized Individuals

Vogralik	Veigel	Petrov	Agrinskiy
Shcheglov	Latsnik	Dvorzin	

(2) Hemorrhagic Form

Mozhebovskiy	Ragoza
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(3) Typhoidal Sepsis

Brodman	Sinai	Morozkin	Podurovskaya
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(4) Mild Forms

Stefanskiy	Rozenberg	Zhitnikov
Shtaynsneider	Dubinskaya	Katsenovich

(5) Malarial Form

Dobrolubov	Rozenbaum	Sokolov
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c. Diagnosis

(1) Blood Reactions

Gershevich	Burov	Gertsogskaya	Rabinovich
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(2) Intracutaneous Test

Glukhov	Preobrazhenskaya	Sadovskiy	Rodin
Ivanova-Glukhova	Alison	Morozkin	Grinberg
	Gordon	Kosmachevskiy	

(3) Blood Culture

Brishchevskaya	Rappoport	Vayntraub	Blinkin
Kisselgorf	Ivashentsev	Kobets	Vishnevskiy
Berkman	Vogralik	Melnik	Zaltsberg
Kanevskaya	Shapiro	Dregovskaya	Vaynsman
Lipkin	Kayazeva	Krutovskikh	Fesenko
	Rabenko		

Cultures in sterilized water were introduced by Klovnitskiy, Syatetskiy, Samsonov, and Bilibin, but the value of this method is questioned by Orshinnikova, Kheifets, Kalina, and Rappoport.

A quantitative method, giving the bacterial count of blood (Rappoport's index) is of value.

(4) Agglutination Reactions

Fisher and Blank introduced *B. paratyphosus* E₂ (S. Moscow) as an antigen.

(5) Detection in Bile

Morozova	Potapenko	Shotter	Brodskaya
Sinai	Gellig	Valdman	Ragoza
Yusupova	Geintse	Solov'yev	

d. Treatment

(1) Parenteral Vaccination

Lavrinovich	Tatarinov	Khachikov	Glukhov
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(2) Bacteriolysate Therapy

Vogralik

(3) Feroxal Vaccination

Alisov	Moroznik	Gurevich	Bogdanov
	Gerbst		

(4) Bacteriophage

Rubakin	Brando	Koshkin	Slivskiy
Sinitzkiy	Lisyanskaya	Sapir	Aleksandrov
	Petrov		

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(5) Intracutaneous Vaccination

Alisov

(6) Isohemotherapy (intramuscular blood injections)

Ragoza

Katsenovich

Bernat

9. Acute Bacillary Dysentery

a. Morbid Anatomy

Skvortsov
StrukovDavydosvkiy
LeitmanTsinkerling
Ter-GrigorovaAr'yel
Maksimovich

b. Pathogenesis of Toxic Form

(1) General

Rozenberg
Chulkov
MorachevskayaViskovskiy
Patahverof
ZavodskayaShtamler
Valdman
Arshavskiy

(2) Neurohistopathology (sympathetic system)

Vail

Mogilnitskiy
Kapetanaki

Brumshtein

Kurkovskiy

(3) Biochemistry

Fisher, Serebriyakiy - Nitrogen metabolism
Chulkov - Basal metabolism
Mittelshtedt, Romichev - Salt metabolism

c. Classification of Forms of Bacillary Dysentery

(1) General

Rozenberg
DobrokhotovaKoltypin
DanilevichShleifer
Ragoza

Braude

(2) Mild Forms

Zelinkina

Vasil'yeva

Undrevich

Frankina

d. Diagnosis

Aleksyev
Aleksyev-Berkman
Pik-LevontinVishnyakov
Danaker
ArkhangelskiyShemshelevich
Violovich
Belokhvostov

Lieberman

e. Dysentery in Children and Infants

Danilevich
Frishtman
AgopovDobrokhotova
Lazareva
Sukhareva
Ostrovskaya
Khmelnitskaya
ShteynbergGlukhov
Balaban
Nezhayeva
Mayakhtadt
Faynshteyn
OfitsarovIonin
Khokhol
Fridman
Speransky
Teimblar
Teyrlina

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f. Chronic Forms

Berman	Chernova	Nechay
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g. Complicated Forms

(1) With Salmonella Infection

Berman	Novgorodskaya N. S. Klyachko	Chernova	Vasil'yeva
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(2) With Alimentary Dystrophy

(a) Morbid Anatomy

Tsinzerling	Dal	Ariyel
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(b) Clinical Aspects

Chernorutskiy	Tushinskiy	Vyskovskiy	Berlin
Korovin	Zuber	Gramenitskiy	Iang
Strazhesko	Vail	Krayevskiy	Pik
Novgorodskaya	Ardeyeva	Benyash	Goldberg
	Margolin		

h. Treatment

(1) General (nonspecific)

Ivashentsev	Stralin	Rosenberg	Vyskovskiy
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(2) Serum Therapy

Ivashentsev	Vyskovskiy	Ionin	Meyerkova
Vasil'yeva	Kolobkova	Karganova	Meyer
Rosenman	Flerina	Chernysheva	Sadovskiy
	Konova		

(3) Phage Therapy

Fisher	Vyskovskiy	Scheglov	Bunte
Puchkova	Ansheles	Aleksandrov	Sapir
Lur'ye	Murortsev	Dyakova	Tikhomirov
Puchkovskiy	Orbant	Yashchenko	Yushko
	Chulkov		

(4) Sulfa-drug Therapy

Drobinskiy	Buznikov - sulfanilamide.		
Dobrovolakaya	Buznikov	Stepanov	Vyrejev
Bronshteyn	Derzhavets	Zigling	Zhukova
Borisenko	Londar	Agafonov	Garkavi
Zvoinitskaya	Kocheva	Dement'yeva	Lur'ye

Sulfidine therapy, in 1941/2.

10. Chronic bacillary Dysentery

a. Pathogenesis

Konchalovskiy	Pospelov	Braude	Vyskovskiy
	Chulkov		

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b. Diagnosis

Chulkov	Poleshko	Khylstov	Volkovich
Nik'tina	Zilberg	Khav	Hokhlin
Prosturyakova	Gurevich	Baranova	Iyakh
Volkova-Rudakovskaya	Zaretskaya	Feldman	Kudish

c. Treatment

Chulkov	Buznikov	Borisenko	Bilibin
Anreyev	Shapiro	Vlasov	Artemenko

11. Brucellosis

Pioneer work by Kryukov and Smirnov (1922), Zaretskaya (1923/25), and Mgebrov (1925).

a. Morbid Anatomy and Histology(1) Animals

Kolesnikov	Stepanov	Solov'yev	Ar'yel
	Dmitr'yev	Chalisov	

(2) Human

Chalisov	Novitskiy	Monetskiy	Mezenchuk
Chakhina	Spivak	Cherepnina	Ochkur

b. Neurology

Malyahev	Shtarker	Serafimov
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c. Pathogenesis

Ar'yel	Lorber	Ochkur	Keytlin
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d. Clinical Aspects(1) General

Mezgovorov	Voroshilin	Lya m. o. vich	Myasnikov
Urintsev	Lar'ye	Kosapev	Rozenblat
Koltovskaya	Gelman	Sapozhnikov	Minervin
Balandin	Rogozin	Kurganova	Tareyev
Alperin	Konchevskaya	Benyaminovich	Levin
Gordseyev	Poduryskaya	Nadzhmeddinov	Ragoza
	Korov. tskiy		

(2) Central and Peripheral Nervous Systems

Shtarker	Gershkovich	Freydovich	Yampolskiy
Shimanskiy	Tarakanov	Triumfov	Steblov
	Manulkin		

(3) Cerebrospinal Fluid

Faybushevich	Tarakanov	Tryumfov	Fistel
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- (4) Psychological Effects
 Serafimov Zhelobov Iysokovsky
 Podzorova-Yastrebova Chistovich
- (5) Antigen-producing System
 Benyaminovich Copp Kushihevskiy Bakov
 Fasse Shteyn-Bernshteyn Novotelnov Chulkov
- (6) Female Sexual Organs
 Skotnikova Antonov Karpov Vygovskiy
 Savich
- (7) Male Sexual Organs
 Mirokayants Arkhangel'skiy
- (8) Skin
 Budynin Andreyeva Baryu Matveyev
 Flanchik Freyfeld Kleinman Tampoiski
- (9) Circulatory System
 Berbenchik Zakharyan Kashirtsev Vygovskiy
 Alekseyeva
- (10) Alimentary Tract
 Drynkin Popova Skoropostizhnyi Ananina
- (11) Eye
 Orlov Mad'yevskaya Nikolayeva
 Gasova Milovidova Roshchin
- (12) Naso-pharynx
 Venetsyanova Vygovskiy Yermolayev Nugmanov
- (13) Children
 Medvedikov Tsimbal Kaprelli Bisyarina
 Zotova Sokolova-Ponomareva
- (14) Classification of Clinical Forms
 Dartshevich Gelman Sapozhnikov Kaldzhmeddinov
 Bagoza Benyaminovich Rudnev
- (15) Undefined Forms
 Freydovich
- (16) Metabolism (Basal)
 Brevdo Agrikolyanskiy Chulkov Alekseyeva
 Ketko Tolkacheva
- (17) Acid-Base Equilibrium
 Levinson Averyanova Zakharycheva
 Grosse Nedolushko Dmitri'yevskaya
- (18) Metabolism (Carbohydrate)
 Chulkov Martynova Porolman Shakhmyuk
 Mezenchuk

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(19) Plasma Proteins

Tareyev	Gontayeva	Barbanchik	Vaynberg
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(20) Blood Calcium

Kasymova

(21) General Biochemistry

Billipin

e. Diagnosis

(1) Hematology

Itskovich	Dmitrieva	Keynova	Shtamberg
Vinkovskiy	Kasymova	Myasnikova	Frolovskaya
Batyushcheva	Ryabov	Yevropeytseva	Voronova
	Khorosova		

(2) Serum Reactions

Wright Reaction	Kashayeva	Slavnin	Jonkin
Arbatskaya	Morozkin	Zhurayev	Lokhov
Trofimova	Vygovskiy	Ignatova	Karayeva
	Bartoshevich		

Heddlerson Reaction

Pervushin	Shtriter
Mitsen	

Lorber

Complement Fixation

Shevjakov	Miretskaya	Dzeventakaya
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(3) Burne's Skin Test

Zirodovskiy	Arbatskaya	Morozkin	Zhilin
Kotlyarova	Rogozin	Burmakin	Revo
	Shtutser		

f. Treatment

(1) Salvarsan

Butyagin	Myasnikov	Yusupova
Ragoza	Martynov	

(2) Sulfanilamide

Nakhapetov	Rozanova	Sukachev
Podvorko	Staritayn	Shestakova

(3) Other Sulfa-drugs

Myasnikov	Katsenovich
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(4) Vaccines

Voroshilin	Konovskaya	Astrakhanov
Ayzenshteyn	Pandikov	Tarpi
Perelkhosheva	Vygovskiy	Prevelis
Demyanov		

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(5) Blood Transfusion

Kugel	Vygovskiy	Kupitskiy
Polikarpov		

(6) Desensitisation

Kopachev	Ragoza
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(7) X-ray Therapy

Rudnev	Krumberg	Tutolmin
Paronyan	Prozorovskiy	Malykin
Vakhtel	Medziewich	

12. Malaria

a. Monographs

Kushev	Shakimov	Stradomskiy	Tareyev
	Kassirskiy		

b. Cerebral Malaria (Morbidity and Pathogenesis)

Shirokogorov	Milnikov - Razvedenkov	Demyanov
Mogilnitskiy	Voyno - Yassenetskiy	Kudryakov

c. Clinical Aspects, Diagnosis, and Treatment

Kryukov	Toporkov	Iren	Conteyeva
Shtivel	Akovbyan	Kachka	Stepanov
	Demyanov	Chervinskiy	Salmikov

d. Treatment

With Soviet Antimalarials:		Magidson	Moshkovsky
Tolyakov	Burova	Tareyev	Conteyeva
Boletov	Epsh-teyn	Kushev	Gelshteyn
Rubinshteyn	Dubovskaya	Budarin	Levenson
Askanov	Rashina	Milyutina	Serikyan
Outerts	Belik-Adamyants	Nesterov	Yefend'yev

e. Prophylaxis

With Acriquin		
Gronskaya	Dzhalalyan	Karaseva
Rubinshteyn		

f. Pharmacology and Toxicology of Plasmoquin and Acriquin

Askalanova	Komarova	Gekker	Dozortseva
	Pervushin	Simorina	Tsuker

13. Influenza

a. Influenzal Pneumonia

A. A. Smorodintsev, Drobyshevskaya, O. I. Shiankina, Ostrovskaya, Chalkina, showed that influenza virus stimulated growth of ordinarily harmless bacteria in the respiratory tract, leading to influenzal pneumonia.

b. Kulesha, Dal, F. Ya. Chistovich, Davydovskiy, Drizhkov, Galisov,

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Lauer, Lozova, Sheftel, studied the morbid anatomy of influenzal pneumonia, and demonstrated development of necrotic endobronchitis and bronchiolitis.

c. Clinical Aspects

Glinchikov	Senyavina	Sokolova	Kraft
Troitskiy	Bukhshtab	Rozenberg	Kireyev
Gubergits	Leshnev	Kossiyskiy	Tushinskiy
Osinskaya	Waldman	Braude	Ionin
	Epshteyn	Barbitskiy	Rhinokaya

d. Endemic Influenza

Balkovskiy	Moskvin	Osetrov	Barkhash
	Nechayev	Chalkina	

e. Influenza in Children

Speranskiy	Koltypin	Danilevich	Borisov
Dormidentov	Ilyinskiy	Rubasheva	Rogachevskaya

f. Circulatory System

Yerofeyev	Abdulayev	Lodymov	Mamedova
	Kofman	Korbiat	Vasiliev

g. Skin

Sadovskiy	Derbandker	Gorchakov	Prilik
	Epshteyn		

h. Hematology

Yegorov	Shchedrovitskiy	Levitina	Vorobeychik
Olyak	Poppel	Gertsenberg	Gertsenberg
	Pokras	Korovin	

14. Measles

a. Sero-hemo-prophylaxis

Egiz	Danilevich	Kolchanova	Gorokhovnikova
Skrotskiy	Lamin	Gershenovich	A.I. Dobrokhotova
Finkelshteyn	Kuznetsov	Ignatov	Alshwang
Kataman	Nikolayev	Golomb	Pivovarov
Rappoport	Arkatov	Begam	Burmakin

b. Morbid Anatomy

Skvortsov	Dergacheva	Buvailo	Shteyn
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c. Clinical Aspects and Diagnosis

Rudnev	A.I. Dobrokhotova	Ignatov	Zilberman
Kudryavtseva	Oberina	Ofitserov	

d. Pneumonia Complicating Measles

Molchanov	A.I. Dobrokhotova	Borisov	Gamburg
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Dombrovskaya
TsimblerIlyinsky
Teitelbaum
LevenshtamNevelson
IgnatovSoboleva
Krol

e. Measles in Immunized Individuals

Kanevskaya

Sosnova
Shapiro

Nevelson

Londar

f. Meningo-encephalitic Form

Tsukherman

Gordon

Itskovich

g. Treatment

Pneumonia -- caused by strepto- and pneumo-cocci (Belikov, Ginzburg, Dombrovskaya, Viktorov, Byulova, Grinbaum, Voronina, Pavlov, Karpachevskaya, Shumakher); Danilevich and Romanovich tried anti-pneumococcus serum, with small effect. Ischemotherapy applied before development of pneumonia was more successful (Bagoza, Burmakin, Itskovich, Romanovich). Sulfa-drug therapy also gave good results (Koltypin, Dobrokhotova, Savrik, Pesidova).

15. Other Diseases

a. Botulism

Compilation by Shteynberg

b. Plague

Monograph by Rudnev

c. Whooping Cough

Compilation by Danilevich

d. Scarlet Fever

Publications by Aristovsky and Agafonov, and a series of papers from Molchanov and Koltypin's Clinic, by Skvortsov, Shirvindt, Zlatopolskaya, Troitskiy, Evrentova, Shishlyannikova, Voskresenskaya.

e. Infectious Diseases of the Nervous System

Monograph by Margolis.

f. Epidemic Cerebrospinal Meningitis

Compilation by Molchanov, Koltypin, Shole, and Markuzon, papers on its clinical aspects by Astvatsaturov and Boyakov, and on its sulfa-drug therapy by Chalkov.

g.kala Azar

Monograph on the morbid anatomy of visceral leishmaniasis by Terekhov and on its clinic, diagnosis, and treatment by Petrov.

- E E D -

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